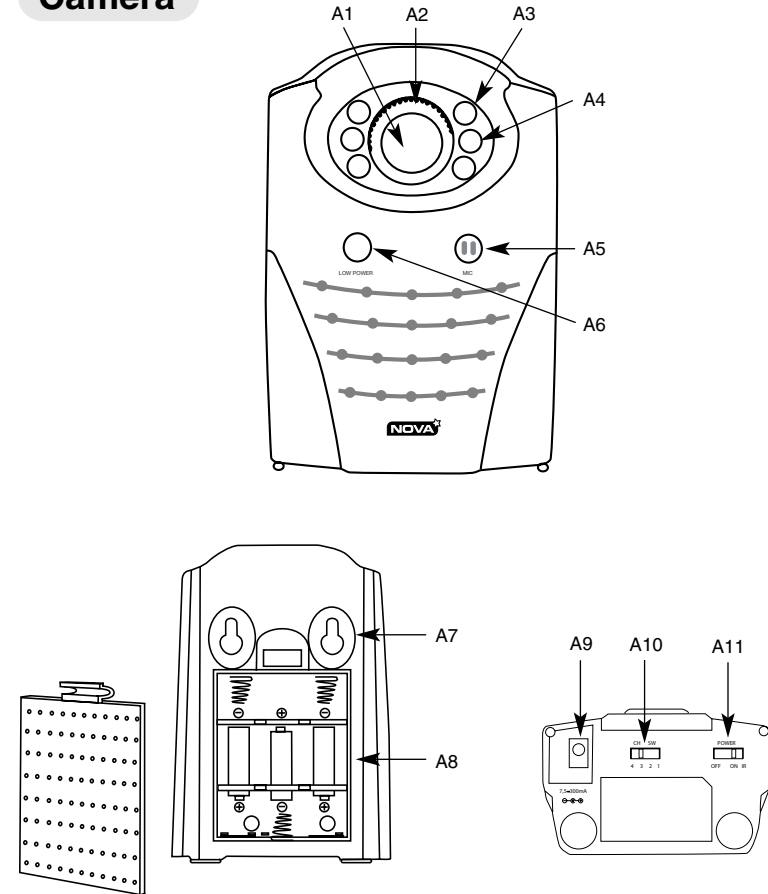
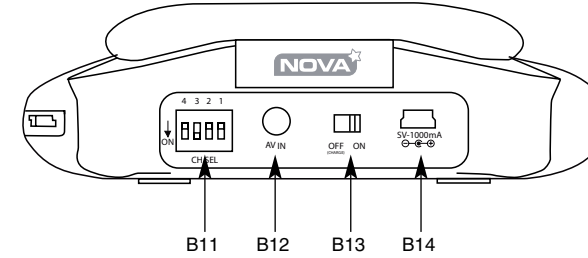
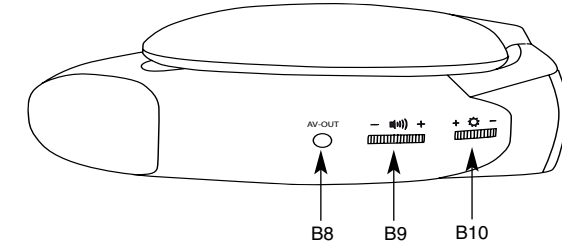
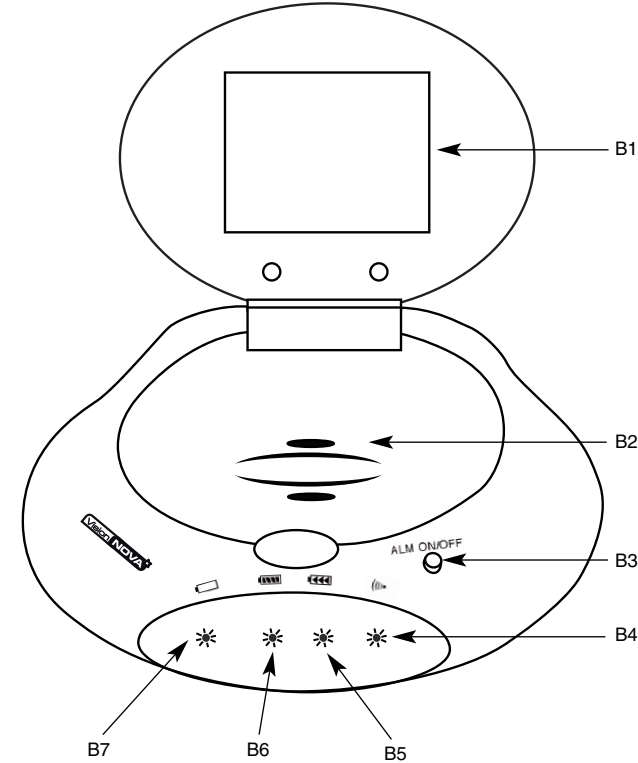


## Camera



## Monitor



## Technical specifications

### Camera

Frequency:	2.4 GHz
Channel:	4 selectable channels
Modulation:	FM
Antenna:	Built-in omni-directional antenna
Image sensor:	1/3" CMOS color image sensor
Output power (max.):	10 mW (CE)
Power consumption (max.):	1.8 Watts
Power supply (optional):	230VAC to 7.5VDC, 300mA or 3 x AA Battery
Operational range:	Up to 100 meters (open air situation)
Dimension:	75mm x 45mm x 105mm
Weight:	135g

### Monitor

Frequency:	2.4 GHz
Channel:	4 selectable channels
Receiver sensitivity:	-80dBm
Antenna:	Built-in omni-directional antenna
Power consumption (max.):	5 Watts
Power supply:	100~240VAC to 5VDC, 1A or 3,6V 1400mAh LI-ION rechargeable battery
Dimension:	140mm x 115mm x 45mm
Weight:	245g

## Congratulations!

We thank you for choosing **VisionNOVA Video Babycall**, and we know you'll be pleased with your choice. Please read this manual carefully and keep it for future reference.

### The box includes

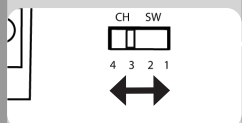
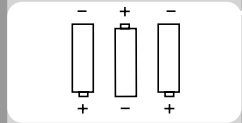
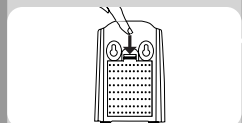
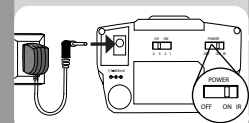
- One camera
- One monitor with an LI-ION battery installed
- One AV (audio/video) cable
- Two power adapters (7.5V DC for the camera and 5V DC for the monitor)
- This user manual

## Camera: Legend

- |   |  |
|---|--|
| A1 Lens   | A7 Mounting holes for fixing to wall etc., centre to centre distance 33 mm |
| A2 Lens knob  | A8 Battery compartment   |
| A3 Lens body: rotates up to 120 degrees vertically    | A9 7.5V power adapter plug   |
| A4 6 IR LEDs: provide infrared light for night vision | A10 Switch for channel selection   |
| A5 Microphone   | A11 ON/OFF switch and night vision switch                                  |
| A6 LED indicator for low battery power                |  |

## Monitor: Legend

- |  |  |
|--|--|
| B1 Flip-down 2.5" TFT-LCD display          | B7 LED indicator for low battery power |
| B2 Speaker                                 | B8 Jack for audio/video output         |
| B3 Alarm ON/OFF button                     | B9 Volume controller                   |
| B4 LED indicator for alarm                 | B10 Brightness controller              |
| B5 LED indicator for charging              | B11 Channel selector                   |
| B6 LED indicator for fully charged battery | B12 Reserve                            |
|  | B13 Power ON/OFF switch                |
|  | B14 5V power adapter plug              |



## Camera: Connections

### Power supply

The camera can be used with a power adapter or three batteries (type AA alkaline). On battery power the camera will normally work up to 11 hours.

### Using the power adapter

Plug the power adapter labelled OUTPUT: 7.5V DC into a wall outlet and plug the adapter plug into the underside of the camera (A9). Put the ON/OFF switch (A11) in ON position.

### Using batteries

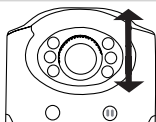
Open the cover of the battery compartment (A8) on the rear of the camera.

Insert three AA batteries so their plus (+) and minus (-) ends are facing as shown on the inside of the battery compartment cover and close the battery compartment securely. Move the ON/OFF switch (A11) to the ON position.

Discard used batteries in an environmentally friendly and responsible way. Never mix old and new batteries. Remove the batteries from the camera if you are not planning to use it for a period of time.

### Channel selection

Always select the same channel (A10) for the camera and the monitor.



### Fine tuning

Place the camera in a suitable location and point the lens (A1) toward the observation area by rotating the lens body (A3) vertically.



Adjust the focus by turning the lens knob (A2) until the image is sharp.

POWER



OFF ON IR



### Night vision

The camera has six infrared LEDs (A4) that give you clear images in the dark. To activate the infrared function, move the switch (A11) to the IR position.

When using the night vision function, the picture automatically goes into black and white mode. The night vision function is disabled when running on battery power.

### Low battery power indicator

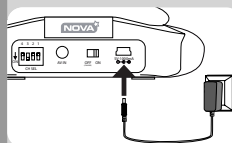
The LED indicator for low battery power (A6) lights up when the batteries need to be replaced.



## Monitor: Connections

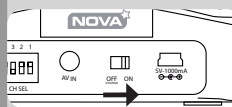
### Power supply

The monitor can run on the power adapter and the pre-installed LI-ION rechargeable battery. Charging time is 1 to 4 hours, whether the monitor is off or on. When the monitor is turned off and the charging is completed, the indicator for fully charged battery (B6) lights up. The battery will work approximately 6 hours with the monitor flipped down and 2 to 3 hours with the monitor open.

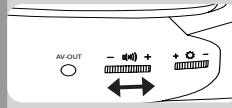


### Using the power adapter

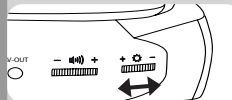
Plug the power adapter labelled OUTPUT: 5V DC into a wall socket and plug the adapter plug into the rear of the monitor (B14).



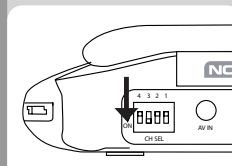
Move the ON/OFF switch (B13) to the ON position.



Adjust the volume (B9) to the desired level.



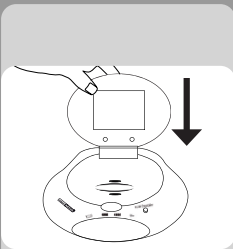
Adjust the brightness (B10) to the desired level.



### Channel selection

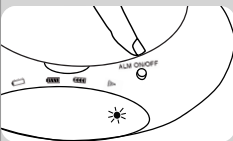
Only one switch (B11) must be moved to the ON position.

Select Channel 1 by moving CH SEL 1 to ON  
Select Channel 2 by moving CH SEL 2 to ON  
Select Channel 3 by moving CH SEL 3 to ON  
Select Channel 4 by moving CH SEL 4 to ON  
Check that you select the same channel as on your camera.

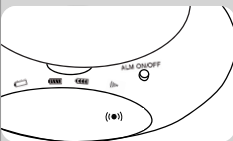


### Voice-activated function (Alarm mode)

Close the monitor (B1).



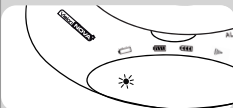
Press the alarm button (B3) to select Alarm mode for the monitor and the LED indicator for alarm (B4) lights up. By pressing the alarm button (B3) once more, the alarm LED indicator (B4) will be turned off, and the monitor returns to normal mode.



When the camera is activated by a sound from the baby, you are alerted by a beeping sound in the monitor and the alarm LED indicator (B4) blinks until the button (B3) is pressed again.

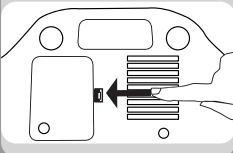


With **NOVA's** alarm function you can flip down the monitor (B1) so that only the sound is transferred from the camera. If there is strong ambient noise, you can turn the volume off completely (B9) and the alarm function will alert you when there is a sound in the child's room without having to watch the monitor. You also conserve battery power.



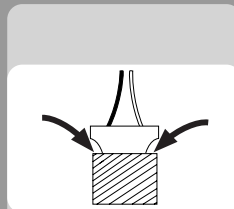
### Low battery power indicator

A beeping sound and the low battery power LED indicator (B7) will tell you that the battery is getting low.



### Replacing the LI-ION battery

Open the cover of the battery compartment on the underside of the monitor. The battery is pre-installed at the factory and must not be removed before it is dead.



The battery is connected to a small plug. Press down the contact (see the shaded field) and pull up the plug using the two cables.



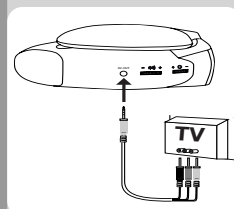
Discard used batteries in an environmentally friendly and responsible way.

The **NOVA** battery has sophisticated electronic components that prevent the battery from exploding. Only the battery provided or an original **NOVA** battery must be used.

## Other applications

### Connecting to other equipment

The monitor is furnished with an audio/video output jack (B8) for connecting to a TV, VCR, DVD or PC.



Put in the mini-jack plug of the provided AV cable into the AV-OUT jack (B8) of the monitor. Plug the other end of the AV cable into the audio/video input of the equipment to be used. See also the user manual for the equipment to be used.

You can also use this equipment for another type of monitoring in your house and home.

## Troubleshooting

### If you do not receive any signal at all

- Check that both the camera and the monitor are switched on
- Check that power cables are firmly plugged in
- Check that the camera and monitor are tuned to the same channel
- If the camera and/or the monitor are running on batteries, replace the batteries or use the power adapter

### If the signal is poor or there is interference

- Check that the channel switches on the camera and the monitor are set to the same channel.
- If a wireless computer network is in operation near you, switch to another channel or turn off the network if necessary. Alternatively, set the network to channel 1 and **VisionNOVA** to channel 3.
- If a microwave oven is used between the camera and the monitor, move the microwave oven or turn it off.
- Check that the camera and the monitor are within range of each other. The range is up to 100 metres (open air). This depends on local conditions. The range is significantly reduced inside because walls, roofs, large objects and glass limit the range. The picture quality will give you a good indication of reception conditions.
- Weak batteries will cause interference and reduce the range substantially.
- In the 2.4GHz frequency band many types of radio traffic are permitted. Normally this may cause obtrusive interference. With **NOVA's** unique alarm function you avoid the noise and poor image quality, but you will still be alerted when your child wakes up.

## Maintenance

- Store all parts and accessories out of reach of children.
- Only use the supplied power adapters for the respective unit.
- Do not shake or knock the units.
- Do not use in dirty or dusty environments.
- Fingerprints or dirt on the lens surface may detrimentally affect the camera performance. Do not touch the lens.
- If the lens is dirty, use a lens brush or a soft dry cloth to clean.
- Keep in a dry place. Precipitation, humidity and liquids may contain minerals that corrode electronic circuits.
- Avoid storing in a hot room. High temperatures may damage the contact between the electronic components and the monitor screen, shorten the life of electronic equipment and warp or melt some plastics.
- Avoid storing in a cold place. When the units then warm up to their normal working temperature condensation may form inside, which may damage the electronic components.
- Bear in mind that public radio frequencies are being used when the units are functioning and that the sound and the pictures may be picked up by other equipment on the 2.4 GHz band. Conversations, even from a room close to the camera, may be captured by others. Always turn off the camera when not in use in order to protect your private life.

## Guarantee

The guarantee lapses if the units have been opened. Unskilled handling may damage the equipment. Any repairs must only be carried out at an ESD secure workstation to avoid damage from static electricity. The guarantee does not include the battery because its life span depends on use. If you wish to lodge a complaint against the product, a copy of the receipt must be attached together with a detailed description of the defect. If you supply a complete description of the defect you are ensured the best service and you will be just as happy with your **NOVA** quality product like thousands of others in Europe.